

Converting Colors

XYZ(18.4255, 10.9064, 85.3357)

Have a look what the booklet for
XYZ(18.4255, 10.9064, 85.3357)
contains.

XYZ(18.3832, 10.8767, 85.1349)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3832, 10.8767,
85.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	0D46F2
RGB	13, 70, 242
RGB Percent	5%, 27%, 95%
CMY	0.9488, 0.7255, 0.0510
CMYK	0.95, 0.71, 0.00, 0.05
HSL	225°, 90%, 50%
HSV	225°, 95%, 95%
XYZ	18.3832, 10.8767, 85.1349
YIQ	72.5650, -89.1840, 41.4080

Conversions

Conversions Part 2

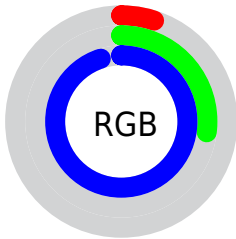
Format	Color
R _Y B	13, 59, 242
Decimal	870130
CIE Lab	39.37, 50.48, -88.78
CIE LCh	39, 102.132, 299.623
Yxy	10.8767, 0.1607, 0.0951
Android (android.graphics.Color)	4279060210 (0xFF0D46F2)
YUV	72.5650, 83.5315, -52.2385
Hunter-Lab	32.9798, 41.7825, -129.9666

Details

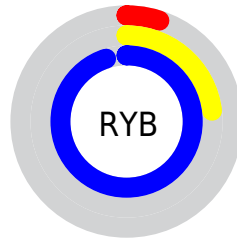
The XYZ color **18.3832, 10.8767, 85.1349** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **54.0536, 53.6315, 7.8858**, and the grayscale version is **6.1316, 6.4509, 7.0250**.

A 20% lighter version of the original color is **31.7171, 24.0585, 97.5798**, and **9.0211, 4.1995, 45.6825** is the 20% darker color. If you saturate the color by 10%, you get **17.6526, 9.6619, 84.9393**, and if you desaturate by 10%, it is **20.3039, 13.8179, 85.6017**.

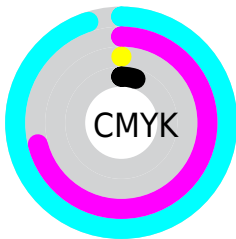
Distribution



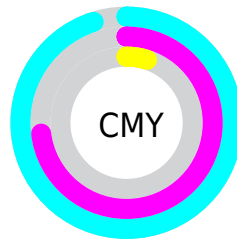
- Red (5%)
- Green (27%)
- Blue (95%)



- Red (5%)
- Yellow (23%)
- Blue (95%)



- Cyan (95%)
- Magenta (71%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (73%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3832, 10.8767, 85.1349 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.3832, 10.8767, 85.1349 by changing the saturation by 10% instead.

■ 18.3832, 10.8767,
85.1349

■ 18.3832, 10.8767,
85.1349

236.0262,
196.8197, 532.2306

■ 11.3268, 5.9840,
63.4021

■ 40.2142, 27.4319,
142.4375

■ 6.3560, 2.8353,
45.7235

■ 55.7195, 39.8633,
178.8443

■ 3.1054, 1.0464,
31.6806

■ 74.7718, 55.5762,
220.9795

■ 1.2098, 0.0000,
20.8548

■ 97.7365, 74.9552,
269.2617

■ 0.1141, 0.0000,
12.8277

■ 124.9790, 98.3847,
324.1093

■ 0.0000, 0.0000,
7.1807

156.8645,

■ 0.0000, 0.0000,

126.2490, 385.9410

3.4952

193.7585,
158.9325, 455.1752

■ 0.0000, 0.0000,
1.3527

■ 0.0000, 0.0000,
0.1044

■ 18.3832, 10.8767,
85.1349

■ 18.3832, 10.8767,
85.1349

■ 17.6526, 9.6619,
84.9393

■ 20.3039, 13.8179,
85.6017

■ 23.1714, 17.8002,
86.2193

■ 27.1095, 22.9248,
87.0009

■ 32.2213, 29.2791,
87.9579

■ 38.5968, 36.9409,
89.1008

■ 46.3167, 45.9816,
90.4389

■ 55.4551, 56.4669,
91.9812

■ 66.0801, 68.4581,
93.7357

■ 78.2557, 82.0131,
95.7104

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.2509, 10.8767, 105.0081



18.3832, 10.8767, 85.1349



26.5343, 10.8767, 43.3362

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.3832, 10.8767, 85.1349



18.6062, 10.8767, 0.0000



1.9357, 10.8767, 11.5944

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.3832, 10.8767, 85.1349



54.0536, 53.6315, 7.8858

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.5952, 10.8767, 1.1454



18.3832, 10.8767, 85.1349



10.4256, 10.8767, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.3832, 10.8767, 85.1349



26.6984, 10.8767, 1.2391



5.0678, 10.8767, 0.0000



2.5606, 10.8767, 42.3153

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.3832, 10.8767, 85.1349



29.6580, 10.8767, 20.0932



5.0678, 10.8767, 0.0000



2.0075, 10.8767, 6.2311

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.3840, 10.8768, 85.1353



58.6914, 59.3008, 102.9606



40.6514, 67.0835, 56.5752



11.6190, 11.6091, 21.8783



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3840, 10.8768, 85.1353



19.8507, 10.8214, 95.6502



18.7190, 8.0134, 84.5649



15.2166, 15.8673, 19.9823



9.5736, 5.3715, 45.6601



0.8726, 0.5993, 3.8239

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.8682, 19.6089, 7.5829



42.1489, 21.6236, 6.7162



51.7764, 73.8189, 11.9024



15.9340, 15.8233, 17.2088



20.1579, 10.3356, 3.4823



1.7154, 0.8752, 0.4923

Previews

White Background



This preview shows how the XYZ color 18.3832, 10.8767, 85.1349 looks on a white background.

Color Contrast Check

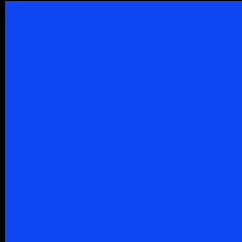
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3832, 10.8767, 85.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3832, 10.8767, 85.1349

Background



This preview shows how black text looks on a background with the XYZ color 18.3832, 10.8767, 85.1349.



This preview shows how white text looks on a background with the XYZ color 18.3832, 10.8767,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.3832, 10.8767, 85.1349

Protanopia

12.5420, 10.7326, 48.4243

Deuteranopia

10.3502, 10.6876, 34.3183



Tritanopia

7.4052, 10.5643, 15.5587

Trichromacy



Original Color

18.3832, 10.8767, 85.1349

Protanomaly

14.3424, 10.5718, 60.3161

Deuteranomaly

12.5757, 10.3620, 49.4814

Tritanomaly

9.7195, 9.7449, 32.8212

Monochromacy



Original Color

18.3832, 10.8767, 85.1349

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.9857, 7.0598, 23.4960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3832, 10.8767, 85.1349 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(13, 70, 242)` looks like.

```
.text, #text, p{  
    color:rgb(13, 70, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(13, 70, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 70, 242) }
```

Border

The CSS property to change the border of an element to XYZ 18.3832, 10.8767, 85.1349 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(13, 70, 242) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(13, 70, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(13, 70, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 70, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 70, 242);  
box-shadow:4px 4px 4px 4px rgb(13, 70,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3832, 10.8767, 85.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 70, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(13, 70,  
242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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